



CRYSTALLIZATION, DRYING & HEATING BY INFRARED LIGHT.

IR-BATCH

CRYSTALLIZING & DRYING IN ONE STEP

The IR-Batch is used as a dryer, crystallizer or for material heating of small to medium throughputs. The stainless steel rotary drum is filled via a pneumatic shut-off valve and the bulk material is heated by the internal infrared module. The mixing elements in the rotary drum are adapted to the bulk material and ensure a good mixing. The machine's drum is emptied by reversing the direction of rotation.

The IR module including the accessories is mounted on a sliding frame. This frame is pulled out for cleaning and maintenance purposes, allowing easy and quick access to the rotary drum and IR module. The exhaust air is discharged from the rotary drum via a blower. The installed Siemens S7 PLC control has the flexibility for setting residence time, mixing and temperature profile.



- **Drying in minutes instead of hours**
- **From 65 to 300 l/Batch (2,3 to 10,6 ft³)**
- **Recipe management**
- **Direct measurement of the product temperature**
- **Accurate temperature control**
- **Temperature range from 60 to 280 °C (140 to 536 °F)**
- **No cooling water required**



KREYENBORG GmbH & Co. KG
Messingweg 18
48308 Senden, Germany
+49 2597 93997 0
www.kreyenborg.com



KREYENBORG is a leading provider of solutions in the field of bulk material handling. For over 60 years we specialize in innovative ideas for drying, crystallizing, coating, mixing, storage, conveying and dosing of demanding bulk materials in the plastics, food and chemical industries.

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